

IN THE CLAIMS

1 – 20. (Canceled).

21. (Previously Presented) A light guide plate, comprising:
first and second main surfaces facing each other,
at least one lateral surface connecting the first and second main surfaces,
a plurality of first triangular prisms formed on the first main surface and
aligned in a row to a first direction, each having a first vertex angle; and
a plurality of second triangular prisms formed on the second main surface and
aligned in a row to a second direction, each having a second vertex angle different
from the first vertex angle.

22. (Previously Presented) The light guide plate of claim 21 wherein the first
vertex angle is obtuse.

23. (Currently Amended) The light guide plate of claim 22 ~~24~~ wherein the first
vertex angle ranges from about 100° to about 120°.

24. (Currently Amended) The light guide plate of claim 23 ~~24~~ wherein the first
vertex angle is about 108°.

25. (Previously Presented) The light guide plate of claim 21 wherein the second
vertex angle is obtuse.

26. (Currently Amended) The light guide plate of claim 25 ~~24~~ wherein the second
vertex angle ranges from about 120° to about 140°.

27. (Previously Presented) The light guide plate of claim 26 wherein the second
vertex angle is about 135°.

MacPherson Kwok Chen
& Field LLP
1762 Technology Drive, Suite 226
San Jose, CA 95110
Telephone: (408) 392-9250
Facsimile: (408) 392-9262

28. (Currently Amended) The light guide plate of claim 21 wherein the second direction is substantially perpendicular to the first direction. ~~and at least one of the triangular prisms has a curved vertex ridge of non-uniform height~~

29. (Currently Amended) The light guide of claim 21 wherein ~~said first plurality at least one of the~~ plurality of first triangular prisms has a first prism surface and a second prism surface, and

wherein the first prism surface and the second prism surface includes a concavo-convex pattern.

30. (Previously Presented) The light guide of claim 29 wherein the concavo-convex pattern has a triangular prism shape extending along the at least one of the plurality of first triangular prisms.

31. (Previously Presented) A liquid crystal display comprising,

a liquid crystal display panel;

a backlight assembly;

a module that accommodates the liquid display panel and the backlight assembly;

wherein the backlight assembly comprises:

a light guide plate comprising:

first surface having a first light control pattern, the first pattern comprising a plurality of first prisms aligned in a row to a first direction, the plurality of prisms having a first triangular cross-sectional shape; and

MacPherson Kwok Chen
& Field LLP
1702 Technology Drive, Suite 220
San Jose, Ca. 95110
Telephone: (408) 590-9250
Facsimile: (408) 592-6262

a second surface having a second light control pattern, the second pattern comprising a plurality of second prisms aligned in a row to a second direction, the plurality of second prisms having a second triangular cross-sectional shape,

wherein the first surface faces the second surface,

wherein the first triangular cross-sectional shape has a first vertex angle that is different from a second vertex angle of the second cross-sectional shape.

32. (New) The light guide plate of claim 29, wherein the concavo-convex pattern has a rounded corner.

33. (New) A light guide plate, comprising:

a first surface;

a second surface;

a third surface that connects the first surface and the second surface; and

a fourth surface that is opposite to the third surface,

wherein the first surface has a first prism pattern, the first prism pattern comprises a plurality of first prisms having a first triangular cross-sectional shape, and the second surface has a second prism pattern, the second prism pattern comprises a plurality of second prisms having a second triangular cross-sectional shape,

wherein the first surface faces the second surface, and

wherein at least one of the third surface and the fourth is a first light incident surface and the surface facing the first light incident surface is a second light incident surface.

MacPherson Kwok Chen
& Held LLP
1762 Technology Drive, Suite 206
San Jose, CA 95110
Telephone: (408) 392-9230
Facsimile: (408) 392-9262

34. (New) The light guide plate of claim 33, wherein the plurality of first prisms are aligned in a row to a first direction, and the plurality of second prisms are aligned in a row to the first direction and in a row to a second direction

35. (New) The light guide plate of claim 34, wherein the plurality of second prisms have a different length.

36. (New) The light guide plate of claim 35, wherein the plurality of second prisms have an extended length in the first direction and gradually increases from the first and the second light incident surfaces toward a center portion of the light guide plate.

37. (New) The light guide plate of claim 33, wherein the plurality of first prisms and the plurality of second prisms are aligned in a row to the first direction and in a row to a second direction.

38. (New) A liquid crystal display, comprising:

a liquid crystal display panel;

a backlight assembly; and

a module that accommodates the liquid crystal display panel and the backlight assembly,

wherein the backlight assembly comprises:

a light guide plate comprising:

a first surface having a first light control pattern, the first prism pattern comprising a plurality of first prisms aligned in a row to a first direction, the plurality of first prisms having a first triangular cross-sectional shape; and

MacPherson Kwok Chen
& Hold LLP
1763 Technology Drive, Suite 226
San Jose, CA 95130
Telephone: (408) 392-9250
Facsimile: (408) 392-9262

a second surface having a second prism pattern, the second prism pattern comprising a plurality of second prisms aligned in a row to a second direction, the plurality of second prisms having a second triangular cross-sectional shape,

wherein the first surface faces the second surface,

wherein the first triangular cross-sectional shape has a first vertex angle that is different from a second vertex angle of the second triangular cross-sectional shape.

39. (New) The light guide plate of claim 38, wherein the first vertex angle ranges from about 100° to about 120°.

40. (New) The light guide plate of claim 38, wherein the second vertex angle ranges from about 120° to about 140°.

41. (New) The light guide plate of claim 38, wherein the plurality of first prisms have a first prism surface and a second prism surface, and

wherein the first prism surface and the second prism surface includes a concavo-convex pattern.

MacPherson Kwok Chen
& Hsu LLP
1763 Technology Drive, Suite 220
San Jose, CA 95110
Telephone: (408) 950-0250
Facsimile: (408) 952-0263